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ning of each regular issue of the PCT Gazette.*

(54) Title: METHODS FOR EVALUATING GENETIC SUSCEPTIBILITY AND THERAPY FOR CHRONIC INFLAMMATORY DISEASES

(57) Abstract: The invention discloses a knockout mouse that is homozygous for a RUNX3 null allele, as a novel model for chronic inflammatory disease. The present invention provides methods for treating T cell-related inflammatory conditions by cell therapy, gene therapy or antisense for up regulating or down regulating RUNX3. The invention further relates to methods of diagnosing and assessing predisposition to chronic inflammatory diseases. The present invention further provides methods for testing agents for effectiveness in treating and/or preventing diseases associated with chronic inflammatory or autoimmune conditions.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/01115

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 15/11; C07H 21/04; G01N 33/00; A01K 67/00
US CL : 536/23.1; 435, 325, 7.1; 800/8, 3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 536/23.1; 435, 325, 7.1; 800/8, 3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	BANGSOW et al. The RUNX3 gene-sequence, structure and regulated expression. Gene. November 2001, Vol. 279, pages 221-222, see entire document	1-48
Y	TANIUCHI et al. Differential Requirements for RUNX proteins in CD4 Repression and Epigenetic Silencing during T Lymphocyte Development. Cell. November 2002, Vol. 111, pages 621-633. See entire document.	1-48
A	LEVANON et al. RUNX3 knockouts and stomach cancer. EMBO. June 2003, Vol. 4, pages 560-564	1-48
A	ITO et al. RUNX3 transcription factors as key targets of TGF-beta superfamily signaling. Curr. Opin. Genet. Dev. February 2003, Vol. 13, pages 43-47, see entire document	1-48
A	FAINARU et al. RUNX3 regulates mouse TGF-beta-mediated dendritic cell function and its absence results in airway inflammation. EMBO. February 2004, Vol. 23, pages 969-979	1-48

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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- "Z" document member of the same patent family

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Continuation of B. FIELDS SEARCHED Item 3:
EAST:USPATFULL, USPO PUB, EPO, DERWENT
STN:File Medline
Search
terms:RUNX3, inflammation, T cells, Dendritic cells, immune system, gene